

CLAIMS

Sub B17
1. A sealed resin case, wherein a through hole is provided in said resin case, said through hole is covered with a water/oil-repellent film, and said water/oil-repellent film is bonded to said resin case (when said resin case is injection-molded by using molten resin.)

~~2.~~ A resin case according to claim 1, wherein said resin case comprises a box and a lid covering an opening of said box, and said through hole is provided in said box and/or said lid.

~~3.~~ A resin case according to claim 1 or 2, wherein said water/oil-repellent film is a porous film and is bonded to said resin case by said molten resin entering pores of said porous film.

~~4.~~ A resin case according to claim 1 or 2, wherein said water/oil-repellent film is made by laminating a backing comprising a thermoplastic material and said porous film, and said backing is melted to be bonded to said resin case.

~~5.~~ A resin case according to any one of claims 1 through 4, wherein a joint of a periphery of said through hole and said water/oil-repellent film form a U-shaped cross-section.

~~6.~~ A die for manufacturing a resin case comprising: a first die having an annular protrusion on its inner surface, and a second die having a cylindrical protrusion received in said annular protrusion; wherein a water/oil-repellent film is fitted into a recess surrounded by said annular protrusion of said first die, and said first die and second die are closed

so that resin is injected between the two dies.

7. A die according to claim 6, wherein a pocket is provided in said recess of said first die and/or in said end face of the protrusion of said second die.

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